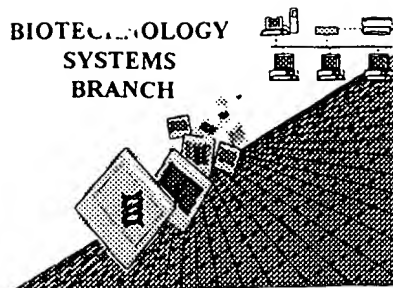


J. Hunt

RAW SEQUENCE LISTING
ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



PHH

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/380,337
Source: 1642 (Rush)
Date Processed by STIC: 5-3-01

RECEIVED

MAY 15 2001

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

MAY 15 2001

TECH CENTER 1600/2900

1642

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/380,337

DATE: 05/03/2001
TIME: 16:23:11

Does Not Comply
Corrected Diskette Needed

Input Set : A:\Nih315-1.app
Output Set: N:\CRF3\05032001\I380337.raw

SEQUENCE LISTING

Invalid format, see p. 2

4 (1) GENERAL INFORMATION:
E--> 6 (i) APPLICANT:
204 (ii) TITLE OF INVENTION: MEN1, the Gene Associated With Multiple
205 Endocrine Neoplasia Type 1, Menin Polypeptides, and Uses
206 Thereof
E--> 208 (iii) NUMBER OF SEQUENCES: 20
210 (iv) CORRESPONDENCE ADDRESS:
211 (A) ADDRESSEE: Townsend and Townsend and Crew LLP
212 (B) STREET: Two Embarcadero Center, Eighth Floor
213 (C) CITY: San Francisco
214 (D) STATE: California
215 (E) COUNTRY: USA
C--> 216 (F) ZIP: 94111-3834
218 (v) COMPUTER READABLE FORM:
219 (A) MEDIUM TYPE: Floppy disk
220 (B) COMPUTER: IBM PC compatible
221 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
222 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
224 (vi) CURRENT APPLICATION DATA:
C--> 225 (A) APPLICATION NUMBER: US/09/380,337
C--> 226 (B) FILING DATE: 06-Mar-2000
227 (C) CLASSIFICATION:
233 (vii) PRIOR APPLICATION DATA:
230 (A) APPLICATION NUMBER: US 60/040,269
231 (B) FILING DATE: 05-MAR-1997
234 (A) APPLICATION NUMBER: WO PCT/US98/04258
235 (B) FILING DATE: 04-MAR-1998
237 (viii) ATTORNEY/AGENT INFORMATION:
238 (A) NAME: Lockyer, Jean M.
239 (B) REGISTRATION NUMBER: 44,879
240 (C) REFERENCE/DOCKET NUMBER: 015280-315100US
242 (ix) TELECOMMUNICATION INFORMATION:
C--> 243 (A) TELEPHONE: (415) 576-0200
C--> 244 (B) TELEFAX: (415) 576-0300
C--> 202 (C) TELEX:

*Number of sequences differ:
- 20 listed
- 28 shown
(see p. 3)*

ERRORED SEQUENCES

(1) GENERAL INFORMATION:

(i) APPLICANT:

~~(A) NAME:~~ The Government of the United States of America
as represented by the Secretary of the
Department of Health and Human Services

One line per
name. See
correct format at
bottom of this
page.

~~(B) STREET:~~
~~(C) CITY:~~ Bethesda
~~(D) STATE:~~ Maryland
~~(E) COUNTRY:~~ USA
~~(F) POSTAL CODE (ZIP):~~ 20892
~~(G) TELEPHONE:~~ (301) 496-7056
~~(H) TELEFAX:~~ (301) 402-0220
~~(I) TELEX:~~

(i) APPLICANT:

~~(A) NAME:~~ Chandrasekharappa, Settara C.
~~(B) STREET:~~ Laboratory of Gene Transfer
~~National Human Genome Research Institute~~
~~National Institute of Health~~

This information
not needed
for applicants.

~~(C) CITY:~~ Bethesda
~~(D) STATE:~~ Maryland
~~(E) COUNTRY:~~ USA
~~(F) POSTAL CODE (ZIP):~~ 20892
~~(G) TELEPHONE:~~
~~(H) TELEFAX:~~
~~(I) TELEX:~~

(IV) Correspondence
address is all
that is required.

(i) APPLICANT:

~~(A) NAME:~~ Guru, Siradanahalli C.
~~(B) STREET:~~ Laboratory of Gene Transfer
~~National Human Genome Research Institute~~
~~National Institute of Health~~

~~(C) CITY:~~ Bethesda
~~(D) STATE:~~ Maryland
~~(E) COUNTRY:~~ USA
~~(F) POSTAL CODE (ZIP):~~ 20892
~~(G) TELEPHONE:~~
~~(H) TELEFAX:~~
~~(I) TELEX:~~

Correct format for (i) Applicant feature:

(i) Applicant: Chandrasekharappa, Settara C.
Guru, Siradanahalli C.

Maximum of →
10 names Manickam, Pachiappan
Collins, Francis S.

* Use 1 Applicant: header, place all names under it.

9/380,337

p. 3

(2) INFORMATION FOR SEQ ID NO:28:

last sequence on file
- 20 were listed

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 23 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:28:

GAAGCCTCCT GGGACTGTCG CTG

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/380,337

DATE: 05/03/2001

TIME: 16:23:12

Input Set : A:\Nih315-1.app

Output Set: N:\CRF3\05032001\I380337.raw

L:15 M:220 C: Keyword misspelled or invalid format, [(F) ZIP:]
L:16 M:220 C: Keyword misspelled or invalid format, [(A) TELEPHONE:]
L:17 M:220 C: Keyword misspelled or invalid format, [(B) TELEFAX:]
L:18 M:220 C: Keyword misspelled or invalid format, [(C) TELEX:]
L:29 M:220 C: Keyword misspelled or invalid format, [(F) ZIP:]
L:30 M:220 C: Keyword misspelled or invalid format, [(A) TELEPHONE:]
L:31 M:220 C: Keyword misspelled or invalid format, [(B) TELEFAX:]
L:32 M:220 C: Keyword misspelled or invalid format, [(C) TELEX:]
L:43 M:220 C: Keyword misspelled or invalid format, [(F) ZIP:]
L:44 M:220 C: Keyword misspelled or invalid format, [(A) TELEPHONE:]
L:45 M:220 C: Keyword misspelled or invalid format, [(B) TELEFAX:]
L:46 M:220 C: Keyword misspelled or invalid format, [(C) TELEX:]
L:57 M:220 C: Keyword misspelled or invalid format, [(F) ZIP:]
L:58 M:220 C: Keyword misspelled or invalid format, [(A) TELEPHONE:]
L:59 M:220 C: Keyword misspelled or invalid format, [(B) TELEFAX:]
L:60 M:220 C: Keyword misspelled or invalid format, [(C) TELEX:]
L:71 M:220 C: Keyword misspelled or invalid format, [(F) ZIP:]
L:72 M:220 C: Keyword misspelled or invalid format, [(A) TELEPHONE:]
L:73 M:220 C: Keyword misspelled or invalid format, [(B) TELEFAX:]
L:74 M:220 C: Keyword misspelled or invalid format, [(C) TELEX:]
L:85 M:220 C: Keyword misspelled or invalid format, [(F) ZIP:]
L:86 M:220 C: Keyword misspelled or invalid format, [(A) TELEPHONE:]
L:87 M:220 C: Keyword misspelled or invalid format, [(B) TELEFAX:]
L:88 M:220 C: Keyword misspelled or invalid format, [(C) TELEX:]
L:99 M:220 C: Keyword misspelled or invalid format, [(F) ZIP:]
L:100 M:220 C: Keyword misspelled or invalid format, [(A) TELEPHONE:]
L:101 M:220 C: Keyword misspelled or invalid format, [(B) TELEFAX:]
L:102 M:220 C: Keyword misspelled or invalid format, [(C) TELEX:]
L:114 M:220 C: Keyword misspelled or invalid format, [(F) ZIP:]
L:115 M:220 C: Keyword misspelled or invalid format, [(A) TELEPHONE:]
L:116 M:220 C: Keyword misspelled or invalid format, [(B) TELEFAX:]
L:117 M:220 C: Keyword misspelled or invalid format, [(C) TELEX:]
L:128 M:220 C: Keyword misspelled or invalid format, [(F) ZIP:]
L:129 M:220 C: Keyword misspelled or invalid format, [(A) TELEPHONE:]
L:130 M:220 C: Keyword misspelled or invalid format, [(B) TELEFAX:]
L:131 M:220 C: Keyword misspelled or invalid format, [(C) TELEX:]
L:143 M:220 C: Keyword misspelled or invalid format, [(F) ZIP:]
L:144 M:220 C: Keyword misspelled or invalid format, [(A) TELEPHONE:]
L:145 M:220 C: Keyword misspelled or invalid format, [(B) TELEFAX:]
L:146 M:220 C: Keyword misspelled or invalid format, [(C) TELEX:]
L:158 M:220 C: Keyword misspelled or invalid format, [(F) ZIP:]
L:159 M:220 C: Keyword misspelled or invalid format, [(A) TELEPHONE:]
L:160 M:220 C: Keyword misspelled or invalid format, [(B) TELEFAX:]
L:161 M:220 C: Keyword misspelled or invalid format, [(C) TELEX:]
L:173 M:220 C: Keyword misspelled or invalid format, [(F) ZIP:]
L:174 M:220 C: Keyword misspelled or invalid format, [(A) TELEPHONE:]
L:175 M:220 C: Keyword misspelled or invalid format, [(B) TELEFAX:]
L:176 M:220 C: Keyword misspelled or invalid format, [(C) TELEX:]

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/380,337

DATE: 05/03/2001

TIME: 16:23:12

Input Set : A:\Nih315-1.app

Output Set: N:\CRF3\05032001\I380337.raw

L:188 M:220 C: Keyword misspelled or invalid format, [(F) ZIP:]
L:189 M:220 C: Keyword misspelled or invalid format, [(A) TELEPHONE:]
L:6 M:200 E: Mandatory Header Field missing, [(i) APPLICANT:] of (1) Value not provided
L:1127 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=8
L:1143 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=9
L:1159 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=10
L:1175 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=11
L:1191 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=12
L:1207 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=13
L:1223 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=14
L:1239 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=15
L:1255 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=16
L:1271 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=17
L:1287 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=18
L:1303 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=19
L:1319 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=20
L:1335 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=21
L:1351 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=22
L:1367 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=23
L:1383 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=24
L:1399 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=25
L:1415 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=26
L:1431 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=27
L:1447 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=28
L:208 M:203 E: No. of Seq. differs, : Input 20, Counted 28